

Key figures to define the impact for different blocks

In order to calculate environmental impact for different blocks use the following table with weight information

Varetekst	Finja Art.nr	Høyde, m	Bredde, m	Lengde, m	Vekt, kg	Volum, m3
BLOKK 10X25X50 CM	11102550NO	0.2500	0.1000	0.5000	9.5000	0.012500
BLOKK 15X25X50 CM HULL	11152550NO	0.2500	0.1500	0.5000	13.0000	0.018750
BLOKK 20X25X50 CM HULL	11202550NO	0.2500	0.2000	0.5000	19.0000	0.025000
BLOKK 25X25X50 CM HULL	11252550NO	0.2500	0.2500	0.5000	24.0000	0.031250
U-BLOKK 15X25X25 CM	11152525NO	0.2500	0.1500	0.2500	5.5000	0.009375
U-BLOKK 20X25X25 CM	11202525NO	0.2500	0.2000	0.2500	7.4000	0.012500
U-BLOKK 25X25X25 CM	11252525NO	0.2500	0.2500	0.2500	8.3000	0.015625

Additional Norwegian requirements

Greenhouse gas emission from the use of electricity in the manufacturing phase

Electricity use in production is based on consumption figures for 2016. Emission data is taken from Ecoinvent 3.3 "Electricity, medium voltage {SE} market for | Alloc Rec, S" (2016).

Data source	Amount	Unit
Ecoinvent v3.3 (2016)	48 gram	CO ₂ -eqv/kWh

Dangerous substances

- The product contains no substances given by the REACH Candidate list or the Norwegian priority list
- The product contains substances given by the REACH Candidate list or the Norwegian priority list that are less than 0,1 % by weight.
- The product contain dangerous substances, more then 0,1% by weight, given by the REACH Candidate List or the Norwegian Priority list, see table.
- The product contains no substances given by the REACH Candidate list or the Norwegian priority list. The product is classified as hazardous waste (Avfallsforkiften, Annex III), see table.

Indoor environment



The emission test is based on a representative block (250x250x500 mm) and meets the requirements for Emicode EC1PLUS. EMICODE EC1PLUS includes the strongest requirements on low VOC emissions compared to EMICODE EC1 and Blue Angel, AgBB, DIBt and California (Section 01350). The product has no detectable impact on the indoor environment.

Carbon footprint

Carbon footprint has not been worked out for the product.

Bibliography

ISO 14025:2010	<i>Environmental labels and declarations - Type III environmental declarations - Principles and procedures</i>
ISO 14044:2006	<i>Environmental management - Life cycle assessment - Requirements and guidelines</i>
EN 15804:2012+A1:2013	<i>Sustainability of construction works - Environmental product declaration - Core rules for the product category of construction products</i>
ISO 21930:2007	<i>Sustainability in building construction - Environmental declaration of building products</i>
LCI Report	<i>LCA Report Finja Lightweight concrete blocks. Ulf Liljenroth, WSP 2017.</i>
Emicode EC1PLUS	www.emicode.com/fileadmin/redaktion/Service/Downloads_GB/GEV-Green_Building.pdf

	Publisher and program operator The Norwegian EPD Foundation Post Box 5250 Majorstuen, 0303 Oslo Norway	Phone: +47 23 08 82 92 e-mail: post@epd-norge.no web: www.epd-norge.no
	Owner of the declaration Finja Betong AB Betongvägen 1 S-281 93 Finja	Phone: 010-455 20 07 Fax: 0451-16481 e-mail: info@finja.se web: www.finja.se
	Author of the Life Cycle Assessment Ulf Liljenroth Box 13033 S-402 51 Göteborg	Phone: 010-722 50 00 Fax: 010-722 74 20 e-mail: ulf.liljenroth@wsp.com web: www.wsp.se